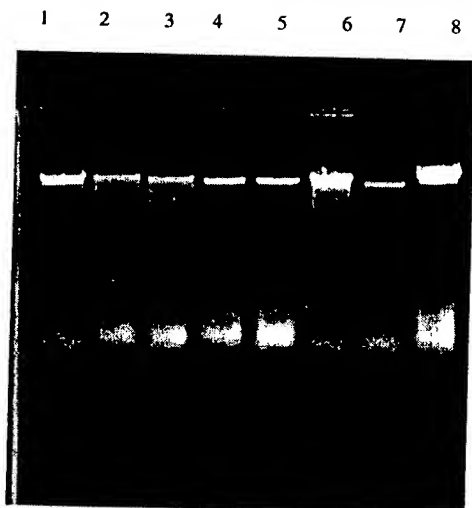


Figure 1



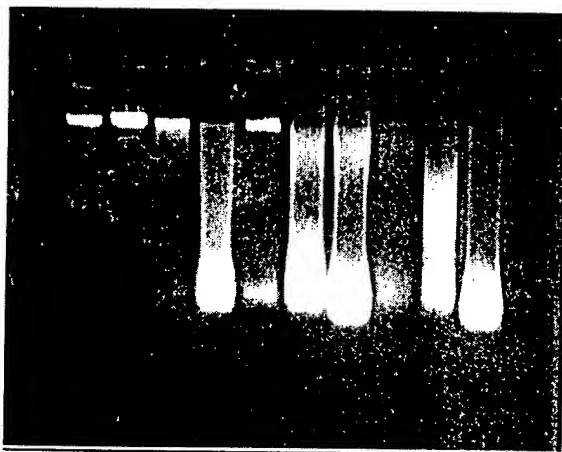
Traces

- 1 - onion (fresh)
- 2 - chive (fresh; green)
- 3 - chive (fresh; green)
- 4 - geranium (hanging; flowers and leaves; fresh)
- 5 - geranium (standing; leaves; fresh)
- 6 - yew (needles; fresh)
- 7 - mousetail grass (fresh; leaves; green)
- 8 - common tansy (fresh; green, leaves)

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Figure 2

1 2 3 4 5 6 7 8 9 10

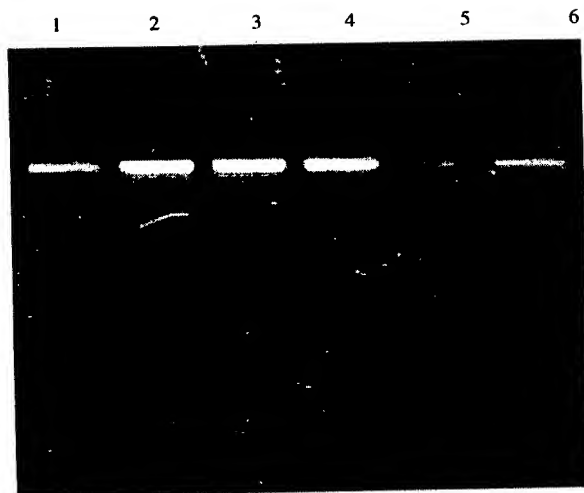


Traces

- 1 - whole blood; frozen; 50 ul
- 2 - whole blood, 100 ul
- 3 - cucumber; 50 mg
- 4 - tomato plant leaf; 100 mg.
- 5 - saliva sample; 100 ul
- 6 - chicken liver; foodstuffs frozen; 5 mg.
- 7 - chicken liver, foodstuffs; frozen; 20 mg.
- 8 - hair roots
- 9 - turkey salami; 50 mg.
- 10 - yew, needles, 100 mg.

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Figure 3



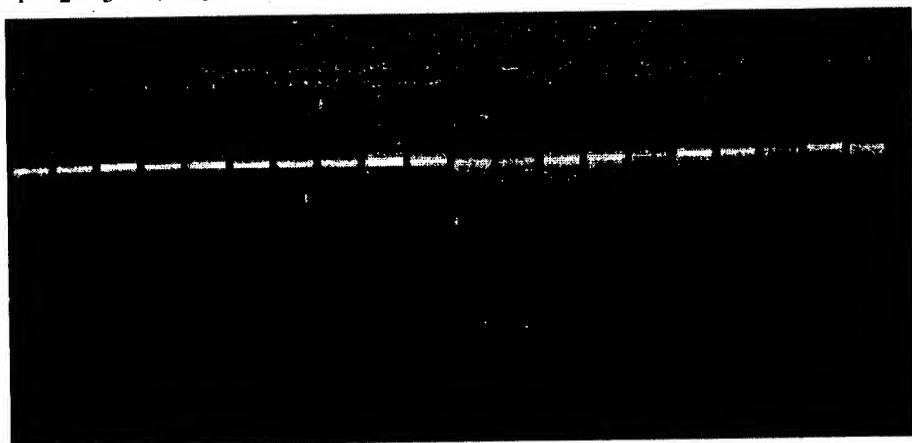
Traces 1 - 6: DNA from swab samples of oral mucosa

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3/10

Figure 4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



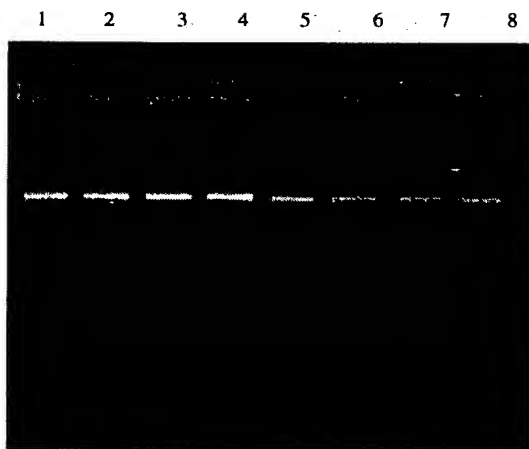
Traces:

- 1 - 10: Extraction method according to the invention
- 11 - 20: Comparative method

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4/10

Figure 5

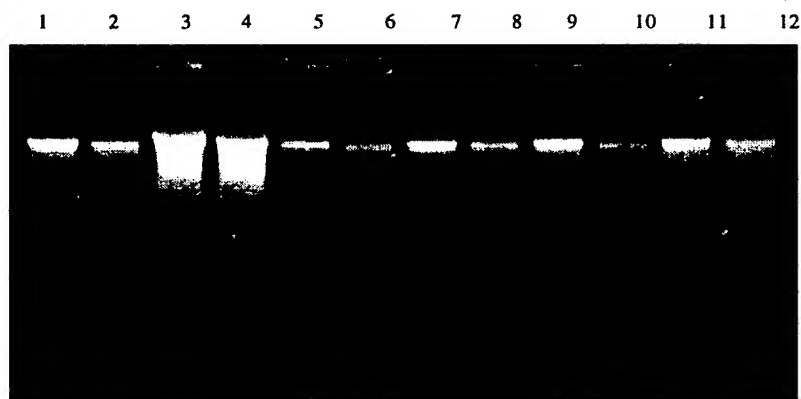


Traces:

- 1 - 4: Extraction method according to the invention
- 5 - 8: Comparative method

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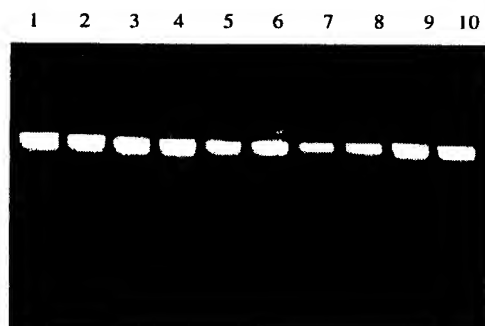
Figure 6



Traces:

- 1: Extraction method according to the invention; 5 mg kidney
- 2: Comparative method; 5 mg kidney
- 3: Extraction method according to the invention; 20 mg. kidney
- 4: Comparative method: 20 mg kidney
- 5: Extraction method according to the invention; 5 mg heart
- 6: Comparison method; 5 mg heart
- 7: Extraction method according to the invention; 20 mg heart
- 8: Comparative method; 20 mg heart
- 9: Extraction method according to the invention; 5 mg liver
- 10: Comparative method; 5 mg liver
- 11: Extraction method according to the invention; 20 mg liver
- 12: Comparative method; 20 mg. liver

Figure 7.



Traces:

- 1/2: Membrane supplier A (commercially available extraction kit)
- 3/4: Membrane supplier B (commercially available extraction kit)
- 5/6: Membrane supplier C (commercially available extraction kit)
- 7/8: Carrier suspension of silicon oxide
- 9/10: Carrier suspension of diatom earth
- 11/12: Carrier suspension of aerosiles (200 m<sup>2</sup>/g)

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Figure 8-

1 2 3 4 5 6 7 8



Traces:

- 1-4: DNA extracted from saliva samples
- 5-6: DNA extracted from whole blood
- 7-8: DNA extracted from deparaffined tissue material

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Figure 9

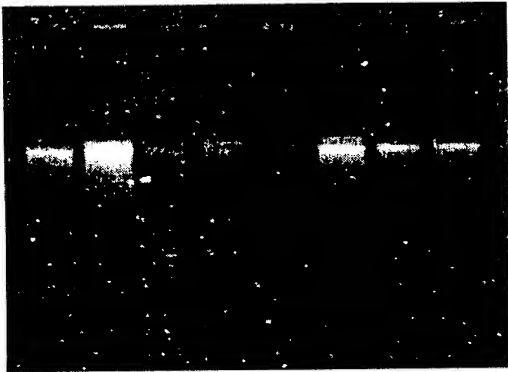


Figure 10

COO microtest plate strips



unmodified microtest plate strip

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